Demand Side Worksheet								
EGR Name:	: 8							
Occupation Name:	Nurses Aides, Orderlies, and Attendants							
Occupation SOC:	31-1012							
1. Estimated Job vacancies, end of 2005	5 <u> </u>							
Lower estimate	36							
Middle estimate	<mark>45</mark>							
Upper estimate	<mark></mark>							

2. Projected number of job openings annually due to growth and net replacements:

Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	46	46	46	46	46	46	46
Nursing and Residential Care Facilities	29	29	29	29	29	29	29
Hospitals	11	11	11	11	11	11	11
B. Middle projection:							
Total, all industries in EGR	57	57	57	57	57	57	57
Nursing and Residential Care Facilities	35	35	35	35	35	35	35
Hospitals	14	14	14	14	14	14	14
C. Upper projection:							
Total, all industries in EGR	68	68	68	68	68	68	68
Nursing and Residential Care Facilities	42	42	42	42	42	42	42
Hospitals	16	16	16	16	16	16	16

Notes:

This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty.
The meanings of the words "Lower," "Middle," and "Upper" are as follows:

- A. "Lower" means that your EGR thinks the probablity is no more than 25% that the true value lies below it.
- B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.
- C. "Upper" means that your EGR thinks the probablity is no more than 25% that the true value lies above it.

	Supply Si	de Worksh	eet #1 ("Pr	oduction")							
EGR Name:	8											
Occupation Name:	Nurses Aides, Orderl	ies, and Attenda	nts									
Occupation SOC:	31-1012											
Projected "production" of new entrants into this occupation, by year												
Year	2006	2007	2008	2009	2010	2011	2012					
a. Graduates/completers of education	n and training progr	ams in this EG	₹:			<u>_</u>						
Ivy Tech Community College	50	50	50	50	50	50	Ę					
etc. (add as necessary)												
o. Other sources of entrants (other t	han in-migration)											
Source #1												
Source #2												
etc. (add as necessary)												
c. Total new supply	50	50	50	50	50	50	5					

	Supply S	Side Works	heet #2 ("N	/ligration")								
EGR Name:	8											
	: Nurses Aides, Orderlies, and Attendants											
Occupation SOC:	31-1012	I-1012										
Year	2006	2007	2008	2009	2010	2011	2012					
1. Projected IN-migration of workers in this occupation to this EGR, by year												
a. From outside this EGR	0	0	0	0	0	0	0					
b. From other occupations												
2. Projected OUT-migration of	workers in this	occupation t	o this EGR,	by year								
a. To places outside this EGR	0	0	0	0	0	0	0					
b. Into other occupations												
3. Net IN-Migration	0	0	0	0	0	0	0					

Workshee	t for Calcul	ating Sho	rtages or S	urpluses	of One Oc	cupation		
EGR Name:				•		•		
Occupation Name:	Nurses Aides, C	Orderlies and	Attendants					
Occupation SOC:								
A. Lower projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		3	6 32	28	24	20	16	12
New demand during year		4	6 46	46	46	46	46	46
New production during year	_	5	0 50	50	50	50	50	50
Net migration during year	_		0 0	0	0	0	0	0
Net change during year	_	-	4 -4	-4	-4	-4	-4	-4
Carryover to next year (+/-)	36	3	2 28	24	20	16	12	8
B. Middle projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)			5 52	59	66	73	80	87
New demand during year		5	7 57	57	57	57	57	57
New production during year		5	0 50	50	50	50	50	50
Net migration during year			0 0	0	0	0	0	0
Net change during year			7 7	7	7	7	7	7
Carryover to next year (+/-)	45	5	<u>2</u> 59	66	73	80	87	94
C. Upper projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		5	4 72	90	108	126	144	162
New demand during year		6	8 68	68	68	68	68	68
New production during year		5	0 50	50	50	50	50	50
Net migration during year			0 0	0	0	0	0	0
Net change during year			8 18	18	18	18	18	18
Carryover to next year (+/-)	54	7	2 90	108	126	144	162	180
			Notes:					

(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the oppos

- A. "Lower" means that your EGR thinks the probablity is no more than 25% that the true value lies below it.
- B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.
- C. "Upper" means that your EGR thinks the probablity is no more than 25% that the true value lies above it.

⁽²⁾ This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:

			Demand Side V	Vorksheet			
EGR Name:	8						
Occupation Name:	Electrical and Electronics Eng	ineering Technicians					
Occupation SOC:	17-3023						
1. Estimated Job vacancies,	end of 2005						
Lower estimate	5						
Middle estimate	10						
Upper estimate	19						
2. Projected number of job o	penings annually due to	growth and net replace					
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	65	65	65	65	65	65	65
PS & T (Primarily Crane related)	65	65	65	65	65	65	65
B. Middle projection:							
Total, all industries in EGR	81	81	81	81	81	81	81
PS & T (Primarily Crane related)	81	81	81	81	81	81	81
C. Upper projection:							
Total, all industries in EGR	97	97	97	97	97	97	97
PS & T (Primarily Crane related)	97	97	97	97	97	97	97
			Notes:				
This worksheet allows for "ranges"	of estimates and projections	s in recognition of the fact tha	t these values cannot be kno	wn with certainty. The mean	nings of the words "Lower,"	"Middle," and "Upper" are as	follows:

A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.

B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.

C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

Supply Side Worksheet #1 ("Production")											
EGR Name	: 8										
Occupation Name: Electrical and Electronics Engineering Technicians											
Occupation SOC: 17-3023											
Projected "production" of new entrants into this occupation, by year											
Year	2006	2007	2008	2009	2010	2011	2012				
a. Graduates/completers of education	n and traini	<mark>ng progra</mark> r	ns in this E	GR:							
Vincennes University	6	7	10	9	10	10	10				
Ivy Tech Comm College	11	14	14	15	15	14	14				
etc. (add as necessary)											
o. Other sources of entrants (other t	<mark>han in-migr</mark>	ation)									
Source #1											
Source #2											
etc. (add as necessary)											
c. Total new supply	17	21	24	24	25	24	24				

Supply	y Side W	orkshe/	et #2 ("N	Migratio	n")						
EGR Name:	8										
Occupation Name:		ind Electron	ics Enginee	ring Techni	icians						
Occupation SOC:	17-3023										
Year	2006	2007	2008	2009	2010	2011	2012				
1. Projected IN-migration of w	orkers in	this occu	ipation to	this EGI	R, by yea	r					
a. From outside this EGR	0	0	0	0	0	0	0				
b. From other occupations											
2. Projected OUT-migration of	workers	in this oc	cupation	to this E	GR, by y	ear					
a. To places outside this EGR	0	0	0	0	0	0	0				
b. Into other occupations											
3. Net IN-Migration	0	0	0	0	0	0	0				

		\M/==l==l==1	O - I I - (! O					
EGR Name: 8		worksneet i	or Calculating Sno	rtages or Surpluse	es of One Occupation	on		
	ectrical and Electronics En	aineering Technicians						
Occupation Name: Ele		gineering reclinicians						
Occupation SOC. 17	-3023							
A. Lower projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		5	53	97	138	179	219	260
New demand during year		65	65	65	65	65	65	65
New production during year		17	21	24	24	25	24	24
Net migration during year		0	0	0	0	0	0	(
Net change during year		48	44	41	41	40	41	41
Carryover to next year (+/-)	5	53	97	138	179	219	260	301
B. Middle projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		10	74	134	191	248	304	361
New demand during year		81	81	81	81	81	81	81
New production during year	_	17	21	24	24	25	24	24
Net migration during year	_	0	0	0	0	0	0	0
Net change during year		64	60	57	57	56	57	57
Carryover to next year (+/-)	10	74	134	191	248	304	361	418
C. Upper projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)	2000	19	99	175	248	321	393	466
New demand during year		97	97	97	97	97	97	97
New production during year		17	21	24	24	25	24	24
Net migration during year		0	0	0	0	0	0	
Net change during year		80	76	73	73	72	73	73
Carryover to next year (+/-)	19	99	175	248	321	393	466	539

(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite. (2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows: A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it. B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it. C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

			Demand Side Worl	sheet			
EGR Name: 8							
Occupation Name: Lice	ensed Practical Nurses						
Occupation SOC: 29-2	2061						
1. Estimated Job vacancies, end of 20	005						
Lower estimate	10						
Middle estimate	19						
Upper estimate	38						
2. Projected number of job openings a	annually due to growth an	d net replacements:					
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	59	59	59	59	59	59	59
Nursing and Residential Care Facilities	34	34	34	34	34	34	34
Ambulatory Health Care Services	12	12	12	12	12	12	12
Hospitals	13	13	13	13	13	13	13
B. Middle projection:							
Total, all industries in EGR	74	74	74	74	74	74	74
Nursing and Residential Care Facilities	43	43	43	43	43	43	43
Ambulatory Health Care Services	15	15	15	15	15	15	15
Hospitals	17	17	17	17	17	17	17
C. Upper projection:							
Total, all industries in EGR	89	89	89	89	89	89	89
Nursing and Residential Care Facilities	52	52	52	52	52	52	52
Ambulatory Health Care Services	18	18	18	18	18	18	18
Hospitals	20	20	20	20	20	20	20
			Notes:				

In its worksneet allows for "ranges" or estimates and projections in recognition of the fact that these values cannot be k A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.

B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.

C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

EGR 8 estimates LPNs 23% work in Ambulatory HC 40 % in Nursing and Res Care

Hospitals are not in EGR 8 estimates so the data used was from BLS Industru Occupation Employment Matrix which says 22.24% work in hospitals

Total LPNs in 2003 = 835

openings LED quarterly turnover rate in Health Care is 8.1 % per qtr Q2 2003 - 835 x 8.1% = 68. 68/3 = 23 per month turnover rate is for Bton MSA

upper and lower are 20% increase and decrease

EGR Name:	8										
Occupation Name:	Licensed P	ractical Nur	ses								
Occupation SOC:	29-2061										
			•								
Projected "production" of new entrants into this occupation, by year											
Year	2006	2007	2008	2009	2010	2011	2012				
a. Graduates/completers of education and training program	ns in this E	GR:									
Vincennes University	8	11	11	11	11	11	11				
Ivy Tech Community College	65	65	57	32	32	32	32				
etc. (add as necessary)											
b. Other sources of entrants (other than in-migration)											
Source #1											
Source #2											
etc. (add as necessary)											
c. Total new supply	73	76	68	43	43	43	43				

Supply Side W	Supply Side Worksheet #2 ("Migration")										
EGR Name:	8										
Occupation Name:	Occupation Name: Licensed Practical Nurses										
Occupation SOC:	29-2061										
· · · · · · · · · · · · · · · · · · ·											
Year	2006	2007	2008	2009	2010	2011	2012				
1. Projected IN-migration of workers in this occupation to this EGR, by year											
a. From outside this EGR	0	0	0	0	0	0	0				
b. From other occupations											
2. Projected OUT-migration of workers in this oc	cupation	to this E	GR, by y	ear							
a. To places outside this EGR	0	0	0	0	0	0	0				
b. Into other occupations											
3. Net IN-Migration	0	0	0	0	0	0	0				

Note: 2.b. "Into other occupations" is the projected # to leave the occupation for retirement

education school completers x the % that each school eswork in EGR 8 after graduation

replaced retirement estimate with # not employed in nurs 18.3% according to natl survey 1666 x 18.3% = 305 / 7 y The National Sample Survey of Rgistered Nurses 2000 US Dept HHS, Health Resources and Svc Admin

2000 census migration data shows almost no net migrat EGR 8. Indiana only shows 3.9 net migration

retirement is based on 14.6 % of health care workforce in 55 years or older and is likely to retire during next 7 yrs 835 x 14.6% = 122 / 7yrs = 17 per year

		Workshoot	for Calculating Sh	ortages or Surpluse	es of One Occupat	ion		
EGR Name:	18	WOIKSHEEL	ior calculating on	ortages or Surpius	es of Offe Occupat	11011		
	Licensed Practical Nurses							
Occupation SOC:								
Codapation CCC.	120 2001							
A. Lower projection:								
Total, all industries in EGR	1							
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		10	-4	-21	-30	-14	2	18
New demand during year		59	59	59	59	59	59	59
New production during year		73	76	68	43	43	43	43
Net migration during year		0	0	0	0	0	0	0
Net change during year		-14	-17	-9	16	16	16	16
Carryover to next year (+/-)	10	-4	-21	-30	-14	2	18	34
B. Middle projection:								
Total, all industries in EGR	Ţ							
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		19	20	18	24	55	86	117
New demand during year		74	74	74	74	74	74	74
New production during year		73	76	68	43	43	43	43
Net migration during year		0	0	0	0	0	0	0
Net change during year								
		1	-2	6	31	31	31	31
Carryover to next year (+/-)	19	1 20	-2 18	6 24	31 55	31 86	31 117	
	19							31 148
Carryover to next year (+/-)	19							
C. Upper projection:	19							
Carryover to next year (+/-)	2005							
Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR		20	18	24	55	86	117	148 2012
Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year		2006	2007	24	2009	2010	2011	2012 226
C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-)		2006	2007 54	24 2008 67	2009 88	2010 134	2011 180	2012 2012 88
Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year		2006 38 89	2007 54 89	24 2008 67 89	2009 88 89	2010 134 89	2011 180 89	2012 2012 88
Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year New production during year Net migration during year Net change during year		2006 38 89 73 0 16	2007 54 89 76 0 13	2008 67 89 68 0 21	2009 88 88 89 43 0 46	2010 134 89 43 0 46	2011 180 89 43 0 46	2012 2012 226 89 43 0
Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year New production during year Net migration during year		2006 38 89 73 0	2007 54 89 76 0	24 2008 67 89 68 0	2009 88 89 43 0	2010 134 89 43 0	2011 180 89 43 0	148
Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year New production during year Net migration during year Net change during year	2005	2006 38 89 73 0 16	2007 54 89 76 0 13	2008 67 89 68 0 21	2009 88 88 89 43 0 46	2010 134 89 43 0 46	2011 180 89 43 0 46	2012 226 89 43 0

- (1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.
- (2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:
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- B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.
 C. "Upper" means that your EGR thinks the probablity is no more than 25% that the true value lies above it.

			Demand Side	Worksheet			
EGR Name:	8						
Occupation Name:	Drafting, Engineering and Map	pping Technicians, all other					
Occupation SOC:	17-3099 (OES only)						
1. Estimated Job vacancie	es, end of 2005						
Lower estimate	3						
Middle estimate	6						
Upper estimate	9						
2. Projected number of job							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	8	8	8	8	8	8	8
Public Admin (Crane)	8	8	8	8	8	8	8
B. Middle projection:							
Total, all industries in EGR	10			10	10	10	10
Public Admin (Crane)	10	10	10	10	10	10	10
C. Upper projection:							
Total, all industries in EGR	12	12		12	12		12
Public Admin (Crane)	12	12	12	12	12	12	12
			Notes	s:	·		·

This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:

A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.

B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.

C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

Supply	Side Wo	orkshee	t #1 ("Pr	oductio	n")		
EGR Name:	8						
Occupation Name:	Drafting, E	ngineering a	and Mapping	g Technicia	ns, all other	•	
Occupation SOC:	17-3099 (C	ES only)					
Projected "production" of new	entrants i	nto this o	occupatio	n, by yea	ır		
Year	2006	2007	2008	2009	2010	2011	2012
a. Graduates/completers of education	and training	ng program	s in this E	GR:			
Vincennes Univeristy	5	6	6	7	8	9	9
Ivy Tech Community College	11	14	14	15	15	14	14
etc. (add as necessary)							
b. Other sources of entrants (other that	<mark>an in-migra</mark>	tion)					
Source #1							
Source #2							
etc. (add as necessary)							
c. Total new supply	16	20	20	22	23	23	23

Supply	Side W	orkshee	et #2 ("N	/ligratio	n")		
EGR Name:	8						
Occupation Name:			and Mappin	g Technicia	ns, all other	7	
Occupation SOC:	17-3099 (C	ES only)					
Year	2006	2007	2008	2009	2010	2011	2012
1. Projected IN-migration of wo	rkers in t	his occu	pation to	this EGR	R, by year		
a. From outside this EGR	0	0	0	0	0	0	0
b. From other occupations							
2. Projected OUT-migration of v	vorkers i	n this occ	cupation	to this E	GR, by ye	ear	
a. To places outside this EGR	0	0	0	0	0	0	0
b. Into other occupations							
3. Net IN-Migration	0	0	0	0	0	0	0

-									
		Worl	sheet for Calcula	ating Shortag	ges or Surpluse	s of One Occupation	on		
EGR Name:	8								
	Drafting, Engineering and M	lapping Technicians, all ot	her		·		•		•
Occupation SOC:	17-3099 (OES Only)								
A. Lower projection:									
Total, all industries in EGR									
Year	2005	2006	2007		2008	2009	2010	2011	2012
Carryover from last year (+/-)			3	-5	-17	-29	-43	-58	-73
New demand during year			8	8	8	8	8	8	8
New production during year			16	20	20	22	23	23	23
Net migration during year			0	0	0	0	0	0	0
Net change during year			-8	-12	-12	-14	-15	-15	-15
Carryover to next year (+/-)	3		<u>-5</u>	-17	-29	-43	-58	-73	-88
B. Middle projection:									
Total, all industries in EGR									
Year	2005	2006	2007		2008	2009	2010	2011	2012
Carryover from last year (+/-)			6	0	-10	-20	-32	-45	-58
New demand during year			10	10	10	10	10	10	10
New production during year			16	20	20	22	23	23	23
Net migration during year			0	0	0	0	0	0	0
Net change during year			-6	-10	-10	-12	-13	-13	-13
Carryover to next year (+/-)	6	-	0	-10	-20	-32	-45	-58	-71
C. Upper projection:									
Total, all industries in EGR									
Year	2005	2006	2007		2008	2009	2010	2011	2012
Carryover from last year (+/-)			9	5	-3	-11	-21	-32	-43
New demand during year			12	12	12	12	12	12	12
New production during year			16	20	20	22	23	23	23
Net migration during year			0	0	0	0	0	0	0
Net change during year			-4	-8	-8	-10	-11	-11	-11
Carryover to next year (+/-)	9		5	-3	-11	-21	-32	-43	-54
	•			N	otes:				

- (1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite.

 (2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:

 A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.

 B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.

 C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

			Demand Side	Worksheet			
EGR Name:							
Occupation Name:	Registered Nurses						
Occupation SOC:	29-1111						
1. Estimated Job vacancie	es, end of 2005						
Lower estimate	25						
Middle estimate	50						
Upper estimate	75						
	*	*					
2. Projected number of jol							
Year	2006	2007	2008	2009	2010	2011	2012
A. Lower projection:							
Total, all industries in EGR	120		120	120	120	120	120
Hospitals			60	60	60	60	60 34
Ambulatory Health Care Svo			34	34	34	34	
Nursing and Residential Care	10	10	10	10	10	10	10
B. Middle projection:							
Total, all industries in EGR	150		150	150	150	150	150
Hospitals			75	75	75	75	75
Ambulatory Health Care Svo			42	42	42	42	42
Nursing and Residential Care	13	13	13	13	13	13	13
C. Upper projection:							
Total, all industries in EGR	180		180	180	180	180	180
Hospitals			90	90	90	90	90
Ambulatory Health Care Svo			51	51	51	51	51 15
Nursing and Residential Care	15	15	15	15	15	15	15
1			Note	S:			

Notes:

This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:

A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.

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C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

According to egr 8 estimates 28% of RNs work in Ambulatory HC svc 8% work in Nursing and Res Care. Hospitals is not in estimates data

egr 8 estimates 63.1 % in hosp, 24.2 % in ambulatory hc, 9.6% nurse and res care

openings were distributed to key industries in the % above

2005 openings estimated by looking at LED data Q2 2003 to Q1 2004 qtrly avg turnover is 8.1% 1,666 RNs x 8.1% = 135 per quarter / 3 = 45 per month turnover rate is for Health care industry n Bton MSA

upper and lower are 20% increase and decrease

45

Supply S	ide Wor	ksheet #	‡1 ("Pro	duction	")		
EGR Name:	8						
Occupation Name:	Registered	Nurses					
Occupation SOC:	29-1111						
Projected "production" of new ent	rants into	this occ	upation,	by year			
Year	2006	2007	2008	2009	2010	2011	2012
						·	
a. Graduates/completers of education an	d training p	rograms in	this EGR:				
Indiana University	23	23	23	23	23	23	23
Vincennes University	12	12	12	12	12	12	12
Ivy Tech Comm Coll	42	47	47	92	92	92	92
etc. (add as necessary)							
b. Other sources of entrants (other than i	n-migration	1)					
Source #1							
Source #2							
etc. (add as necessary)							
c. Total new supply	77	82	82	127	127	127	127

Supply S	Side Wo	rksheet	#2 ("Mi	gration'	')		
EGR Name:	8						
Occupation Name:	Registered	Nurses					
Occupation SOC:	29-1111						
Year	2006	2007	2008	2009	2010	2011	2012
						•	•
1. Projected IN-migration of worker	rs in this	occupat	ion to thi	s EGR, b	y year		
a. From outside this EGR	0	0	0	0	0	0	0
b. From other occupations	0	0	0	0	0	0	0
							0
2. Projected OUT-migration of wor	kers in th	nis occup	ation to	this EGR	, by year		
a. To places outside this EGR	0	0	0	0	0	0	0
b. Into other occupations*	0	0	0	0	0	0	0
3. Net IN-Migration	0	0	0	0	0	0	0

Note: 2.b. "Into other occupation is the projected # to leave the occupation for retirement

school completers x their projected rate that will work in E

replaced retirement estimate with # not employed in nur: 18.3% according to natl survey 1666 x 18.3% = 305 / 7 y
The National Sample Survey of Rgistered Nurses 2000
US Dept HHS, Health Resources and Svc Admin

2000 census migrartion data shows almost no migration

used 14.6 % retirement rate based on

14.6 $\%\,$ of health care workers in IN is at least 55 Based on LED age distribution by industry Q 1 2004 1666 x 14.6% / 7yrs = 35 per year

instead of retirement could use turnover rate

		\A/ (f	0-11		. (0 0 1			
	1	worksneet for	Calculating Short	ages or Surpluses o	of One Occupation	<u>n</u>		
EGR Name:								
	Registered Nurses							
Occupation SOC:	29-1111							
A. Lower projection:								
Total, all industries in EGR				<u> </u>	<u> </u>		<u></u>	
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		25	68	106	144	137	130	123
New demand during year		120	120	120	120	120	120	120
New production during year		77	82	82	127	127	127	127
Net migration during year		0	0	0	0	0	0	0
Net change during year		43	38	38	-7	-7	-7	-7
Carryover to next year (+/-)	25	68	106	144	137	130	123	116
B. Middle projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		50	123	191	259	282	305	328
New demand during year		150	150	150	150	150		
		150	130	130	100	130	150	150
New production during year	-	77	82	82	127	127	150 127	150 127
New production during year		77	82	82	127	127	127	127 0
New production during year Net migration during year	50	77 0	82 0	82 0	127 0	127 0	127 0	127 0 23
New production during year Net migration during year Net change during year	50	77 0 73	82 0 68	82 0 68	127 0 23	127 0 23	127 0 23	127
New production during year Net migration during year Net change during year Carryover to next year (+/-)	50	77 0 73	82 0 68	82 0 68	127 0 23	127 0 23	127 0 23	127 0 23
New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection:	50	77 0 73	82 0 68	82 0 68	127 0 23	127 0 23	127 0 23	127 0 23
New production during year Net migration during year Net change during year Carryover to next year (+/-)	2005	77 0 73	82 0 68	82 0 68	127 0 23	127 0 23	127 0 23	127 0 23
New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year		77 0 73 123	82 0 68 191	82 0 68 259	127 0 23 282	127 0 23 305	127 0 23 328	127 0 23 351
New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR		77 0 73 123	82 0 68 191	82 0 68 259	127 0 23 282 2009	127 0 23 305	127 0 23 328	127 0 23 351
New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year		77 0 73 123	82 0 68 191 2007	82 0 68 259 2008	127 0 23 282 2009	127 0 23 305	127 0 23 328 2011	127 0 23 351 2012 533 180
New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year New production during year		77 0 73 123 2006 75 180	82 0 68 191 2007 178 180	82 0 68 259 2008 276 180	127 0 23 282 2009 374 180	127 0 23 305 2010 427 180	127 0 23 328 2011 480 180	127 0 23 351 2012
New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year New production during year Net migration during year		2006 255 180 77	82 0 68 191 2007 178 180 82	82 0 68 259 2008 276 180 82	127 0 23 282 2009 374 180 127	127 0 23 305 2010 427 180 127	127 0 23 328 2011 480 180 127	127 0 23 351 2012 533 180 127
New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year New production during year		77 0 73 123 2006 75 180 77	82 0 68 191 2007 178 180 82 0	82 0 68 259 2008 276 180 82 0	127 0 23 282 2009 374 180 127 0	2010 2010 2010 2010 2010 2010 2010 2010	127 0 23 328 2011 480 180 127 0	127 0 23 351 2012 533 180 127 0

(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite. (2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows: A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it. B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it. C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

EGR Name: 8 Occupation Name: Respiratory Therapist Occupation SOC: 29-1126 . Estimated Job vacancies, end of 2005 Lower estimate Middle estimate Upper estimate 2. Projected number of job openings annually due to growth and net replacements: Year 2006 2007 2007 2010 2011 2012 2009 A. Lower projection: Total, all industries in EGR Hospitals Total, all industries in EGR Hospitals 13 C. Upper projection: Total, all industries in EGR 16 16 16 16 16 16 Hospitals Notes:

This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:

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C. "Upper" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.

C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

Demand Side Worksheet

2005 vacancies is based on LED data Q2 2003 - Q! 2004 that says Health Care in Bton MSA is 8.1% per quarter. 158 x 8.1% = 13. Did

by three because employers say it takes well over a month to fill vac:

upper and lower are + and - 20%

middle based on 130 projected openings

Supply S	ide Wor	ksheet	#1 ("Pro	duction	n")		
EGR Name:	8						
Occupation Name:		Therapist					
Occupation SOC:	29-1126						
Year	2006	2007	2008	2009	2010	2011	2012
						·	
a. Graduates/completers of education an	d training p	orograms ir	n this EGR:				
Ivy Tech Community College	0	13	13	13	13	13	13
etc. (add as necessary)							
b. Other sources of entrants (other than	in-migratio	n)					
Source #1							
Source #2							
-4- /\							
etc. (add as necessary)							
	0	13	13	13	13	13	13
	0	13	13	13	13	13	13
	0	13	13	13	13	13	13
	0	13	13	13	13	13	13
c. Total new supply						13	13
c. Total new supply Supply	Side Wo					13	13
c. Total new supply Supply EGR Name:	Side Wo	orksheet				13	13
C. Total new supply Supply EGR Name: Occupation Name:	Side Wo	orksheet				13	13
c. Total new supply Supply EGR Name:	Side Wo	orksheet				13	13
C. Total new supply Supply EGR Name: Occupation Name:	Side Wo	orksheet				2011	2012
C. Total new supply Supply EGR Name: Occupation Name: Occupation SOC:	Side Wo 8 Respiratory 29-1126	rksheet Therapist	#2 ("Mi	gration	")		
C. Total new supply Supply EGR Name: Occupation Name: Occupation SOC:	Side Wo 8 Respiratory 29-1126 2006	rksheet Therapist	#2 ("Mi	gration'	2010		
C. Total new supply Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of work	Side Wo 8 Respiratory 29-1126 2006 ers in this	rksheet Therapist	2008	gration'	2010 y year	2011	2012
Supply Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of works a. From outside this EGR	Side Wo 8 Respiratory 29-1126 2006	rksheet Therapist	#2 ("Mi	gration'	2010		
C. Total new supply Supply EGR Name: Occupation Name: Occupation SOC:	Side Wo 8 Respiratory 29-1126 2006 ers in this	rksheet Therapist	2008	gration'	2010 y year	2011	2012
Supply Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of work a. From outside this EGR b. From other occupations	Side Wo 8 Respiratory 29-1126 2006 ers in this	Therapist 2007 S occupat	2008 tion to th	gration' 2009 is EGR, b	2010 by year	2011	2012
Supply Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of works a. From outside this EGR	Side Wo 8 Respiratory 29-1126 2006 ers in this	Therapist 2007 S occupat	2008 tion to th	gration' 2009 is EGR, b	2010 by year	2011	2012

0

0

Note: 2.b. "Into other occupations" is the projected # to leave the occupation for retirement

0

0

0

b. Into other occupations

3. Net IN-Migration

based on info from ITCC x 90% work in EGR program is not yet operational but has been a

retirements are based on 14.6% of indiana health care workfc 55 yrs + according to LED data for Q1 2004

158 X 14.6% = 23/7= 3 PER YR

retirements

0

				_				
		Worksheet for 0	Calculating Shortag	ges or Surpluses o	f One Occupation			
EGR Name:	8			-				
Occupation Name:	Respiratory Therapist							
Occupation SOC:	29-1126							
A. Lower projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		10	20	17	14	11	8	5
New demand during year		10	10	10	10	10	10	10
New production during year		0	13	13	13	13	13	13
Net migration during year		0	0	0	0	0	0	0
Net change during year		10	-3	-3	-3	-3	-3	-3
Carryover to next year (+/-)	10	20	17	14	11	8	5	2
B. Middle projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		13	26	26	26	26	26	26
Carryover from last year (+/-) New demand during year		13 13	26 13	26 13	26 13	26 13	26 13	
								13
New demand during year		13	13	13	13	13	13	13
New demand during year New production during year		13 0	13 13	13 13	13 13	13 13	13 13	13
New demand during year New production during year Net migration during year	13	13 0 0	13 13 0	13 13 0	13 13 0	13 13 0	13 13 0	
New demand during year New production during year Net migration during year Net change during year	13	13 0 0 13	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-)	13	13 0 0 13	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection:	13	13 0 0 13	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-)	2005	13 0 0 13	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0	13 13 0 0
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR		13 0 0 13 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year		13 0 0 13 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26	13 13 0 0 26
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-)		13 0 0 13 26	13 13 0 0 26 26	13 13 0 0 26 2008	13 13 0 0 26 2009	13 13 0 0 26 2010	13 13 0 0 26	13 13 0 0 26 2012 47 16
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year		13 0 0 13 26	13 13 0 0 26 26 2007 32	13 13 0 0 26 2008 2008	13 13 0 0 26 26 2009 38 16	13 13 0 0 26 2010 41 16	13 13 0 0 26 2011 44	13 13 0 0 26 2012 47 16
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year New production during year		13 0 0 13 26 2006 16 16 0	13 13 0 0 26 26 2007 32 16 13 0 3	13 13 0 0 0 26 2008 2008 35 16 13	13 13 0 0 0 26 26 2009 38 16 13	13 13 0 0 0 26 26 2010 41 16 13	13 13 0 0 0 26 26 2011 44 16 13	13 13 0 0 26 2012
New demand during year New production during year Net migration during year Net change during year Carryover to next year (+/-) C. Upper projection: Total, all industries in EGR Year Carryover from last year (+/-) New demand during year Net migration during year		2006 16 0 16 16 16 16 16 16 16 16 16 16 16 16 16	13 13 0 0 26 26 2007 32 16 13 0	13 13 0 0 26 26 2008 35 16 13 0	13 13 0 0 26 26 2009 38 16 13 0	13 13 0 0 26 26 2010 41 16 13 0	13 13 0 0 26 26 2011 44 16 13 0	13 13 0 0 26 2012 47 16

(1) A positive (+) carryover indicates a "shortage" of workers in this occupation. A negative (-) carryover indicates the opposite. (2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows: A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it. B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it. C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

Demand Side Worksheet EGR Name: 8 Occupation Name: First Line Supervisors/Managers of Production and Operating Workers Occupation SOC: 51-1011 Estimated Job vacancies, end of 2005 Lower estimate Middle estimate Upper estimate Projected number of job openings annually due to growth and net replacements: 2006 2008 2009 2010 2011 2012 A. Lower projection: Total, all industries in EGR 17 17 17 17 17 17 Transportation Eqyuioment 2 2 2 Misc. Manuf. (incl medical devices) 2 2 2 Food Manufacturing 1 Plastics and Rubber Products Fabricated Metal Furniture and Related Products B. Middle projection: Total, all industries in EGR 21 21 21 21 21 21 Transportation Equipment 3 Misc. Manuf. (incl medical devices) 2 2 2 Food Manufacturing Plastics and Rubber Products Fabricated Metal Furniture and Related Products C. Upper projection: Total, all industries in EGR 25 25 25 25 25 Transportation Eqyuioment Misc. Manuf. (incl medical devices) Food Manufacturing Plastics and Rubber Products Fabricated Metal Furniture and Related Products

This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows: A. "Lower" means that your EGR thinks the probablity is no more than 25% that the true value lies below it.

Notes:

B. "Middle" means that your EGR thinks the probability is about equal that the true value lies either below it or above it.

C. "Upper" means that your EGR thinks the probablity is no more than 25% that the true value lies above it.

Supply	Side Wo	orkshee	t #1 ("Pr	oductio	n")		
EGR Name:							
Occupation Name:	First Line S	Supervisors/	Managers o	of Productio	n and Opera	ating Worke	rs
Occupation SOC:	51-1011						
Projected "production" of new e	entrants ii	nto this o	ccupatio	n, by yea	r		
Year	2006	2007	2008	2009	2010	2011	2012
a. Graduates/completers of education	and trainin	g program	s in this E0	GR:			
Vincennes University							
Ivy Tech Community College							
Indiana University	21	21	21	21	21	21	21
etc. (add as necessary)							
b. Other sources of entrants (other that	an in-migra	tion)					
Source #1							
Source #2							
etc. (add as necessary)							
c. Total new supply	21	21	21	21	21	21	21
Supply	Side W	orksho	ot #2 ("N	ligration	.")		
EGR Name:		OLKSITE	51 πZ (N	ilgiatioi	<u>' </u>		
Occupation Name:			110000000	f Draditatia	O	ation Marks	
		upervisors/	Managers c	oi Productio	n and Opera	ating worke	is
Occupation SOC:	10111						
Year	2006	2007	2008	2009	2010	2011	2012
1. Projected IN-migration of wo	rkers in tl	nis occup	ation to	this EGR.	by year		
a. From outside this EGR		•		,			
b. From other occupations							
b. From other occupations							
2. Projected OUT-migration of v	vorkers ir	this occ	unation t	o this FG	R by ve	ar	
a. To places outside this EGR			apation		, , , , , , , , , , , , , , , , , , ,	<u> </u>	
-							
b. Into other occupations							
3. Net IN-Migration	0	0	0	0	0	0	0

Need an idea of how many production wkrs can become s

		Workshee	et for Calculation	ng Shorta	ges or Surp	luses of	One Occup	ation					
Calculating Shortages or Surpluses of C	8												
	First Line Supervisors/Manag	ers of Production and Op	erating Workers										
Occupation SOC:													
A. Lower projection:													
Total, all industries in EGR													
Year	2005	2006	2007		2008		2009		2010		2011		2012
Carryover from last year (+/-)		14		10		6		2		-2		-6	
New demand during year		17		17		17		17		17		17	
New production during year		21		21		21		21		21		21	
Net migration during year		0		0		0		0		0		0	
Net change during year		-4		-4		-4		-4		-4		-4	
Carryover to next year (+/-)	14	10	_	6		2		-2		-6		-10	
B. Middle projection:													
Total, all industries in EGR													
Year	2005	2006	2007		2008		2009		2010		2011		2012
Carryover from last year (+/-)		18	•	18		18		18		18		18	
New demand during year		21		21		21		21		21		21	
New production during year		21		21		21		21		21		21	
Net migration during year		0		0		0		0		0		0	
Net change during year		0		0		0		0		0		0	
Carryover to next year (+/-)	18	18		18		18		18		18		18	
C. Upper projection:													
Total, all industries in EGR													
Year	2005	2006	2007		2008		2009		2010		2011		2012
Carryover from last year (+/-)		22	1	26		30		34		38		42	
New demand during year		25		25		25		25		25		25	
New production during year		21		21		21		21		21		21	
Net migration during year		0		0		0		0		0		0	
Net change during year		4		4		4		4		4		4	
Carryover to next year (+/-)	22	26		30		34		38		42		46	
				N	otes:								
(1) A positive (+) carryover indica	ates a "shortage" of worl	kers in this occupation	n Δ negative (-)	carryover in	ndicates the o	nnosite							
(2) This worksheet allows for "ranges"							lana of the word	. "! " "	Middle " and "I	 	a fallawa.		

- (2) This worksheet allows for "ranges" of estimates and projections in recognition of the fact that these values cannot be known with certainty. The meanings of the words "Lower," "Middle," and "Upper" are as follows:

 A. "Lower" means that your EGR thinks the probability is no more than 25% that the true value lies below it.

 B. "Middle" means that your EGR thinks the probability is about equal that the true value lies above it.

 C. "Upper" means that your EGR thinks the probability is no more than 25% that the true value lies above it.

Demand Side Worksheet										
EGR Name: 8										
Occupation Name:	eam Assemblers									
Occupation SOC:5	1-2092									
1. Estimated Job vacancies, end	d of 2005									
Lower estimate	25									
Middle estimate	50									
Upper estimate	100									
2. Projected number of job oper	nings annually due to gro	wth and net replacemen	its:							
Year	2006	2007	2008	2009	2010	2011	2012			
A. Lower projection:										
Total, all industries in EGR	74	74	74	74	74	74	74			
Misc. Manuf. (incl. medical device)	50	50	50	50	50	50	50			
Transportation Equipment	14	14	14	14	14	14	14			
Furniture and Related Products	9	9	9	9	9	9	9			
B. Middle projection:										
Total, all industries in EGR	92	92	92	92	92		92			
Misc. Manuf. (incl. medical device)	62	62	62	62	62	62	62			
Transportation Equipment	18	18	18	18	18	18	18			
Furniture and Related Products	11	11	11	11	11	11	11			
C. Upper projection:										
Total, all industries in EGR	110	110	110	110	110	110	110			
Misc. Manuf. (incl. medical device)	74	74	74	74	74	74	74			
Transportation Equipment	21	21	21	21	21	21	2			
Furniture and Related Products	13	13	13	13	13	13	18			
1			Notes:							
This worksheet allows for "ranges" of				vith certainty. The meanings	of the words "Lower," "Middl	e," and "Upper" are as follows	:			
A. "Lower" means that your EGR think				_						
B. "Middle" means that your EGR thin										
C. "Upper" means that your EGR think	s the probablity is no more th	nan 25% that the true value li	es above it.							

Openings based on 3,253 assemblers x 6.2% avg qtr turnover rate LED Bton MSA 3253 x 6.2% = 202/3 = 67 per month

upper and lower are + and - 20%

Supply	Side Wo	orkshee	t #1 ("Pı	roductio	n")		
EGR Name:	8						
Occupation Name:		mblers					
Occupation SOC:	51-2092						
Projected "production" of new							
Year	2006	2007	2008	2009	2010	2011	2012
			! 4b.!a F	OD.			
a. Graduates/completers of education Institution #1	1 -1	ng progra r 0	ns in this E	.GR: 0	0	0	0
mstitution #1	0	0	U	U	U	U	0
etc. (add as necessary)							
b. Other sources of entrants (other th	han in-migr	ation)					
Source #1	I						
Source #2	1						
etc. (add as necessary)							
						_	
c. Total new supply	0	0	0	0	0	0	U
c. Total new supply	0	0	0	0	0	0	0
c. Total new supply	0	0	0	0	0	0	
						0	0
Supply	y Side W					0	
Supply EGR Name:	y Side W	orkshee				0	0
Supply EGR Name: Occupation Name:	y Side W 8 Team Asse	orkshee				0	0
Supply EGR Name:	y Side W 8 Team Asse	orkshee				0	0
Supply EGR Name: Occupation Name:	y Side W 8 Team Asse	orkshee				2011	2012
Supply EGR Name: Occupation Name: Occupation SOC:	y Side W 8 Team Asse 51-2092	orkshed	et #2 ("N	ligration	n")		
Supply EGR Name: Occupation Name: Occupation SOC:	y Side W 8 Team Asse 51-2092	orkshed	et #2 ("N	Aigration 2009	n")	2011	
Supply EGR Name: Occupation Name: Occupation SOC: Year	y Side W 8 Team Asse 51-2092	orkshed	et #2 ("N	Aigration 2009	n")	2011	2012
Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of we a. From outside this EGR	y Side W 8 Team Asse 51-2092	orkshed	et #2 ("N	Aligration 2009	n") 2010 R, by yea	2011	2012
Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of we	y Side W 8 Team Asse 51-2092	orkshed	et #2 ("N	Aligration 2009	n") 2010 R, by yea	2011	2012
Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of we a. From outside this EGR b. From other occupations	y Side W 8 Team Asse 51-2092 2006 orkers in 6	Zoorkshee	2008 pation to	2009 o this EGF	2010 R, by year	2011	2012
Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of we a. From outside this EGR b. From other occupations 2. Projected OUT-migration of	y Side W 8 Team Asse 51-2092 2006 orkers in 1	orkshed 2007 this occur in this occur	2008 pation to cupation	2009 o this EGF	2010 R, by year	2011 r 0	2012
Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of wear a. From outside this EGR b. From other occupations 2. Projected OUT-migration of a. To places outside this EGR	y Side W 8 Team Asse 51-2092 2006 orkers in 6	Zoorkshee	2008 pation to	2009 this EGR	2010 R, by yea 0 GR, by ye	2011	
Supply EGR Name: Occupation Name: Occupation SOC: Year 1. Projected IN-migration of we a. From outside this EGR b. From other occupations 2. Projected OUT-migration of	y Side W 8 Team Asse 51-2092 2006 orkers in 1	orkshed 2007 this occur in this occur	2008 pation to cupation	2009 this EGR	2010 R, by yea 0 GR, by ye	2011 r 0	2012

currently 3334 people registered in CS3 for as in EGR 8 (some might be double counted? How many are qualified? Need CS3 hire rates

might want to include non-college bound grad

cov employment IBRC Q1 2004 retirements based on 3253 x 15.3% age 55+ 3253 x 15.3% = 498/7 yrs = 71 per year

		Work	ksheet for Calculating S	Shortages or Surpluses	of One Occupation			
EGR Name				<u> </u>	•			
Occupation Name	e: Team Assemblers							
Occupation SOC	C: 51-2092							
A. Lower projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		25	99	173	247	321	395	469
New demand during year		74	74	74	74	74	74	74
New production during year		0	0	0	0	0	0	(
Net migration during year		0	0	0	0	0	0	(
Net change during year		74	74	74	74	74	74	74
Carryover to next year (+/-)	25	99	173	247	321	395	469	543
B. Middle projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		50	142	234	326	418	510	602
New demand during year		92	92	92	92	92	92	92
New production during year		0	0	0	0	0	0	0
Net migration during year		0	0	0	0	0	0	0
Net change during year		92	92	92	92	92	92	92
Carryover to next year (+/-)	50	142	234	326	418	510	602	694
C. Upper projection:								
Total, all industries in EGR								
Year	2005	2006	2007	2008	2009	2010	2011	2012
Carryover from last year (+/-)		100	210	320	430	540	650	760
New demand during year		110	110	110	110	110	110	110
New production during year		0	0	0	0	0	0	0
Net migration during year		0	0	0	0	0	0	0
Net change during year		110	110	110	110	110	110	110
Carryover to next year (+/-)	100	210	320	430	540	650	760	870
		<u> </u>	<u> </u>	Notes:	<u> </u>	<u> </u>		<u> </u>
(1) A positive (+) carryover indi	icates a "shortage" of workers in	n this occupation. A negat	tive (-) carryover indicates	the opposite.				
(2) This worksheet allows for "ranges					rds "Lower " "Middle " and "Unn	er" are as follows:		
	inks the probablity is no more than 25			anny. The meanings of the wo	as zono., madic, and opp			
	ninks the probability is about equal that							
	inks the probability is about equal the							
	p , lo no moro man ze	The same and the s						